

2001 Boulder School for Condensed Matter and Materials Physics Scheduled Events

WEEK 1

Monday, July 2			
9:00 – 9:30 AM	Welcome	3:15 – 4:30 PM	Clark – <i>Defects in Liquid Crystals</i>
9:30 – 10:45	Bray - <i>Domain Growth & Coarsening I</i>	4:30 – 5:30	Discussion
10:45 – 11:00	Break	7:00 – 9:00	Poster Session I
11:00 – 12:15	Bray - <i>Domain Growth & Coarsening II</i>		

Tuesday, July 3			
9:00 – 10:15 AM	Kurchan – <i>Glasses & Aging I</i>	3:15 – 4:30 PM	Bowick - <i>Defects in Condensed Matter & Cosmology</i>
10:15 – 10:45	Break	4:30 – 5:30	Discussion
10:45 – 12:00	Kurchan – <i>Glasses & Aging II</i>	7:00 – 9:00	Poster Session I

Wednesday, July 4 – Independence Day			
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Thursday, July 5			
9:00 – 10:15 AM	Weitz – <i>Colloidal Glasses</i>	1:45 – 3:00 PM	Kurchan – <i>Glasses & Aging III</i>
10:15 – 10:45	Break	3:00 – 5:00	Poster Session II
10:45 – 12:00	Bray - <i>Spin Glasses: Relaxation I</i>	7:30 – 8:30	Public Lecture – D. Weitz <i>Squishy Physics: How Foam Flows, Jello Gels and Sand Slips</i>

Friday, July 6			
9:00 – 10:15 AM	Bray – <i>Spin Glasses: Relaxation II</i>	2:45 – 4:00 PM	Fisher – <i>Introduction to Driven Systems & Depinning</i>
10:15 – 10:45	Break	4:00 – 5:00	Discussion
10:45 – 12:00	Weitz - <i>Jamming & Rheology I</i>	5:00	School BBQ
		7:00 – 9:00	Poster Session II

Daily lectures will take place in G125, Duane Physics Building. Public lectures will be in GB130, Duane. Poster sessions will be on the 11th Floor, Duane. The Friday School BBQ's will be at Kittredge Pond. On July 10, buses will leave Kittredge at 5 PM for the Flagstaff Mountain cookout.

BOULDER SCHOOL 2001, WEEK 2

Monday, July 9			
9:00 – 10:15 AM	Fisher – <i>CDW, Vortices, Fluid Flow I</i>	2:00 – 3:15 PM	Cugliandolo - TBA
10:15 – 10:45	Break	3:15 – 4:30	Fisher – <i>CDW, Vortices, Fluid Flow II</i>
10:45 – 12:00	Weitz - <i>Jamming & Rheology II</i>	4:30 – 5:30	Discussion

Tuesday, July 10			
9:00 – 10:15 AM	Robbins - <i>Flow through Porous Media</i>	2:45 – 4:00 PM	Norblad - <i>Spin Glasses: Experiments I</i>
10:15 – 10:45	Break	4:00 – 4:45	Discussion
10:45 – 12:00	Fisher – <i>Crack propagation in solids & Open Issues</i>	5:00	COOKOUT at Flagstaff Mountain

Wednesday, July 11			
9:00 – 10:15 AM	Robbins – <i>Friction I</i>	3:15 – 4:30 PM	Norblad – <i>Spin Glasses: Experiments II</i>
10:15 – 10:45	Break	4:30 – 5:30	Discussion
10:45 – 12:00	Dieterich – <i>Tribology & Earthquake Physics I</i>		

Thursday, July 12			
9:00 – 10:15 AM	Robbins – <i>Friction II</i>	3:15 – 4:30 PM	Bhattacharya – <i>CDWS & Vortices: Experiments I</i>
10:15 – 10:45	Break	4:30 – 5:30	Discussion
10:45 – 12:00	Dieterich - <i>Tribology & Earthquake Physics II</i>		

Friday, July 13			
9:00 – 10:15 AM	Dahmen – <i>Avalanches, Disorder, Magnets and Earthquakes I</i>	2:45 – 4:00 PM	Andrei – <i>Nonequilibrium Vortex States</i>
10:15 – 10:45	Break	4:00 – 5:00	Discussion
10:45 – 12:00	Bhattacharya – <i>CDWS and Vortices: Experiments</i>	5:00	School BBQ

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BOULDER SCHOOL 2001, WEEK 3

Monday, July 16				
9:00 – 10:15 AM	Sethna – <i>Plasticity: a physicist's view I</i>		3:15 – 4:30 PM	Middleton – <i>Simulations and Algorithms</i>
10:15 – 10:45	Break		4:30 – 5:30	Discussion
10:45 – 12:00	Dahmen – <i>Avalanches, Disorder, Magnets and Earthquakes II</i>			

Tuesday, July 17				
9:00 – 10:15 AM	Sethna – <i>Plasticity: a physicist's view II</i>		3:15 – 4:30 PM	TBA
10:15 – 10:45	Break		4:30 – 5:30	Discussion
10:45 – 12:00	Marchetti – <i>Plastic & Elastic Depinning</i>			

Wednesday, July 18				
9:00 – 10:15 AM	Goldstein– <i>Introduction to Cell Biology</i>		3:15 – 4:30 PM	Goulian – <i>Introduction to Molecular Biology</i>
10:15 – 10:45	Break		4:30 – 5:30	Discussion
10:45 – 12:00	Visscher– <i>Molecular motors I</i>			

Thursday, July 19				
9:00 – 10:15 AM	Goldstein – <i>Cellular motility I</i>		3:15 – 4:30 PM	Goulian – <i>Cell signaling I</i>
10:15 – 10:45	Break		4:30 – 5:00	Discussion
10:45 – 12:00	Visscher – <i>Molecular motors II</i>			

Friday, July 20				
9:00 – 10:15 AM	Goldstein – <i>Cellular motility II</i>		2:45 – 4:00 PM	Goulian – <i>Cell signaling II</i>
10:15 – 10:45	Break		4:00 – 5:00	Discussion
10:45 – 12:00	Visscher – <i>Molecular motors III</i>		5:00	School BBQ

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BOULDER SCHOOL 2001, WEEK 4

Monday, July 23			
9:00 – 10:15 AM	Bodenschatz – <i>Introduction to Pattern Formation</i>	3:15 – 4:30 PM	Coullet – <i>Pattern Formation I (General Concepts)</i>
10:15 – 10:45	Break	4:30 – 5:30	Discussion
10:45 – 12:00	Goldenfeld – <i>Crystal growth: theory</i>	7:30 – 8:30	Public Lecture – N. Goldenfeld <i>My Manhattan Project: A Physicist's Adventure on Wall Street</i>

Tuesday, July 24			
9:00 – 10:15 AM	Behringer – <i>Introduction to granular media</i>	3:15 – 4:30 PM	Levine – <i>Pattern Formation in Biological Systems I</i>
10:15 – 10:45	Break	4:30 – 5:30	Discussion
10:45 – 12:00	Coullet: - <i>Pattern Formation II (GL equations etc.)</i>		

Wednesday, July 25			
9:00 – 10:15 AM	Behringer – <i>Pattern Formation in Granular Systems I</i>	3:15 – 4:30 PM	Levine – <i>Pattern Formation in Biological Systems II</i>
10:15 – 10:45	Break	4:30 – 5:30	Discussion
10:45 – 12:00	Bodenschatz – <i>Crystal growth: experiments</i>		

Thursday, July 26			
9:00 – 10:15 AM	Coullet – <i>Pattern Formation III</i>	3:15 – 4:30 PM	Goldenfeld – <i>Turbulence</i>
10:15 – 10:45	Break	4:30 – 5:30	Discussion
10:45 – 12:00	Levine – <i>Pattern Formation in Biological Systems III</i>		

Friday, July 27			
9:00 – 10:15 AM	Behringer – <i>Pattern Formation in Granular Systems II</i>	2:45 – 4:00 PM	Bodenschatz – <i>Turbulence - experiments</i>
10:15 – 10:45	Break	4:00 – 5:00	Discussion
10:45 – 12:00	Goldenfeld – <i>Renormalization Group Methods Far from Equilibrium</i>	5:00	School BBQ

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